

CHAPTER 27 ELECTRICAL

SECTION 2701 GENERAL

2701.1 Scope. This chapter governs the electrical components, equipment and systems used in buildings and structures covered by this code. Electrical components, equipment and systems shall be designed and constructed in accordance with the provisions of the NFPA 70, *National Electrical Code*.

[F] SECTION 2702 EMERGENCY AND STANDBY POWER SYSTEMS

[F] 2702.1 Installation. Emergency and standby power systems required by this code or the *Florida Fire Prevention Code* shall be installed in accordance with NFPA 70, *National Electrical Code*, NFPA 110 and 111.

[F] 2702.1.1 Stationary generators. Reserved.

[F] 2702.2 Where required. Reserved.

[F] 2702.3 Maintenance. Reserved.

SECTION 2703 CROSS REFERENCES

2703.1 Cross references. See Table 2703.

SECTION 2704 BONDING METAL FRAMING MEMBERS

2704 Bonding Metal Framing Members: Metal framing members. Metal framing members shall be bonded to the equipment grounding conductor for the circuit that may energize the framing and be sized in accordance with the National Electric Code Table 250.122. For the purpose of this section, a grounded metal outlet box attached to the framing shall be permitted.

**TABLE 2703
CROSS REFERENCES DEFINING ELECTRICAL REQUIREMENTS OF THE FLORIDA BUILDING CODE**

Florida Building Code—Building			
Section	Description	Section	Description
Chapter 1	Administration	Chapter 7	Fire-Resistance-Rated Construction
101	General	713	Penetrations
102	Applicability	703	Fire-Resistance Rating of Structural Members
105	Permits	715	Opening Protective
107	Construction Documents	716	Ducts and Air Transfer Openings
108	Temporary Structures and Uses		
109	Fees	Chapter 9	Fire Protection Systems
110	Inspections	901	General
112	Service Utilities	902	Definitions
		903	Automatic Sprinkler Systems
Chapter 2	Definitions	904	Alternative Automatic Fire-Extinguishing Systems
202	Definitions		
		907	Fire Alarm and Detection Systems
Chapter 3	Use and Occupancy Classification	908	Emergency Alarm Systems
302	Classification	909	Smoke Control Systems
306	Factory Group F	910	Smoke and Heat Vents
307	High -Hazard Group H	911	Fire Command Center
311	Storage Group S		
Chapter 4	Special Detailed Requirement Based on Use and Occupancy	Chapter 10	Means of Egress
402	Covered Mall Buildings	1006	Means of Egress Illumination and Signs
403	High-Rise Buildings	1008	Doors, Gates and Turnstiles
		1037	Day Care

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TABLE 2703—continued
CROSS REFERENCES DEFINING ELECTRICAL REQUIREMENTS OF THE FLORIDA BUILDING CODE

Section		Section	
Chapter 4 (continued)	Special Detailed Requirement Based on Use and Occupancy	Chapter 11	Florida Building Code, Accessibility
404	Atriums		
405	Underground Buildings	Chapter 12	
406	Motor-Vehicle-Related Occupancies	1205	Lighting
407	Group I-2		
408	Group I-3	Chapter 13	Florida Building Code, Energy Conservation
409	Motion Picture Projection Rooms		
412	Aircraft-Related Occupancies	Chapter 26	Plastic
414	Hazardous Materials	2606	Light-Transmitting Plastics
415	Groups H-1, H-2, H-3, H-4 and H-5	2611	Light-Transmitting Plastic Interior Signs
419	Hospitals	2612	High-Velocity Hurricane Zones—Plastics
420	Nursing Homes		
421	Ambulatory Surgical Centers	Chapter 27	Electrical
423	State Requirements for Educational Facilities	2701	General
424	Swimming Pools and Bathing Places (Public and Private)	2702	Emergency and Standby Power Systems
425	Public Lodging Establishments		
426	Public Food Service Establishments	Chapter 30	Elevators and Conveying Systems
427	Mental Health Programs	3003	Emergency Operations
428	Manufactured Buildings	3005	Conveying Systems
431	Transient Public Lodging Establishments	3006	Machine Rooms
435	Control of Radiation Hazards		
436	Day Care Occupancies		
		Chapter 31	Special Construction
		3102	Membrane Structures
		3108	Telecommunication and Broadcast Towers
		3112	Lighting, Mirrors, Landscaping
		Chapter 33	
		3306	Protection of Pedestrians
		3310	Means of Egress
		Chapter 35	Referenced Standards

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TABLE 2703—continued			
Florida Building Code—Residential			
Section		Section	
Chapter 3	Building Planning	Chapter 24	Fuel Gas
R303	Light, Ventilation and Heating	G2403 (202)	General Definitions
		G2410 (309)	Electrical
		G2411 (310)	Electrical Bonding
		G2440 (615)	Sauna Heaters
Chapter 8	Roof -Ceiling Construction		
R806.3	Insulation Clearance	Chapter 33	General Requirements Electrical
		E3301	General Requirements Electrical
Chapter 13	General Mechanical System Requirements	Chapter 43	Referenced Standards
M1303	Labeling of Equipment		
M1305	Appliance Access		
Florida Building Code—Existing			
Section		Section	
Chapter 3	Prescriptive compliance method	Chapter 12	Relocated or Moved Buildings
801	Alterations-Level 3	1202	Requirements
Chapter 5	Repairs	Chapter 13	Compliance Alternatives
501	General	1301	General
507	Electrical		
		Chapter 15	Referenced Standards
Chapter 6	Alterations-Level 1		
608	Electrical	Appendix B	Standard for Rehabilitation
Chapter 7	Alterations-Level 2		
708	Electrical		
Chapter 9	Change of Occupancy		
908	Electrical		
911	Other Requirements		
Chapter 10	Additions		
1001	General		
1004	Smoke Alarms in Occupancy		
	Groups R-3 and R-4		

TABLE 2703—continued			
Florida Building Code—Mechanical			
Section		Section	
Chapter 3	General Regulations	Chapter 9	Specific Appliances, Fireplaces and Solid Fuel-Burning Equipment
301	General	912	Infrared Radiant Heaters
306	Access and Service Space	917	Cooking Appliances
		918	Forced-Air Warm-Air Furnaces
Chapter 5	Exhaust Systems	924	Stationary Fuel Cell Power Plants
502	Required Systems	927	Residential Electric Duct Heaters
503	Motors and Fans	928	Vented Residential Floor Furnaces
504	Clothes Dryer Exhaust		
509	Fire Suppression Systems	Chapter 10	Boilers, Water Heaters and Pressure Vessels
513	Smoke and Carbon Monoxide Control Systems	1001	General
		1004	Boilers
Chapter 6	Duct Systems	1006	Safety and Pressure Relief Valves and Controls
601	General		
602	Plenums	Chapter 11	Refrigeration
606	Smoke Detection System Control	1104	System Application Requirements
607	Ducts and Air Transfer Openings	1105	Machinery Room, General Requirements
		1106	Machinery Room, Special Requirements
Chapter 8	Chimneys and Vents		
801	General	Chapter 15	Referenced Standards
804	Direct-Vent, Integral Vent and Mechanical Draft System		
Florida Building Code—Plumbing			
Section		Section	
Chapter 6	Water Supply and Distribution	Part II	Design Criteria
601	General	I	Control Valves
614	Well Pumps and Tanks used for Private Potable Water Systems		
		Part IV	Materials
		H	Low Voltage Wiring
Chapter 11	Storm Drainage	I	Irrigation Controllers
1113	Sumps and Pumping Systems	J	Pumps and Wells
Chapter 13	Referenced Standards	Part V	Installation
		E	Low Voltage Wire Installation
Appendix F	Proposed Construction Building Codes For Turf and Landscape Irrigation Systems	F	Hydraulic Control Tubing

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TABLE 2703—continued Florida Building Code—Fuel Gas			
Section		Section	
Chapter 2	Definitions	Chapter 6	Specific Appliances
		627	Air Conditioning Equipment
Chapter 3	General Regulations	630	Infrared Radiant Heaters
306	Access and Service Space		
309	Electrical	Chapter 7	Gaseous Hydrogen Systems
310	Electrical Bonding	703	General Requirements
		706	Location of Gaseous Hydrogen Systems
Chapter 4	Gas Piping Installations		
413	Compressed Natural Gas Motor Vehicle Fuel-Dispensing Stations	Chapter 8	Referenced Standards

Note: This table is provided only as a tool to assist the construction industry as a general guide. Users should review all sections of the code in order to determine specific applicable electrical requirements.

